6 7 8	APPARATUS FOR MODELING IC SUBSTRATE NOISE UTILIZING IMPROVED DOPING PROFILE ACCESS KEY
9	ABSTRACT OF THE DISCLOSURE

A method for modeling a substrate, which includes obtaining vertically discretized doping profiles in the substrate to facilitate modeling. The method includes employing substrate region names and substrate cross-section names as access keys to permit accessing of the vertically discretized doping profiles. The use of the combination of region names and substrate cross-section names as unique access keys simplifies access to doping profile information for modeling purposes and yields valuable information pertaining to the presence of p-type to n-type material transitions. The information pertaining to transitions may be employed to improve substrate modeling accuracy through the inclusion of junction capacitances with the modeling process.